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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/453,319	12/02/1999		STEVEN M. SHEPARD	64631-0020	2455
10291	7590	09/23/2004		EXAMINER	
RADER, FISHMAN & GRAUER PLLC				VERBITSKY, GAIL KAPLAN	
39533 WOO SUITE 140	DWARD AV	ENUE		ART UNIT	PAPER NUMBER
BLOOMFIELD HILLS MI 48304-0610				2859	

DATE MAILED: 09/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/453,319	Applicant(s)	OK.				
09/453 319						
09/400,010	SHEPARD, STEVE	SHEPARD, STEVEN M.				
Examiner	Art Unit					
Gail Verbitsky	2859					
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Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
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DETAILED ACTION

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1. In view of arguments presented by Applicant (July 19, 2004), the finality of the previous Office Action (January 16, 2004) is hereby withdrawn, and prosecution is reopened.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 3. Claims 1 and 18 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. In this case,
- Claims 1, 18: although the newly added description to Fig. 1B in the specification states that there is "no migration of the defect 100 toward surface 102", it does not explicitly state that the applied force "is insufficient to cause the subsurface kissing unbond to migrate toward a specimen surface", as stated in claims 1 and 18.
- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 1-14, 18-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In this case, the claim language is confusing

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because, according to the specification (newly added description of Fig. 1B), "the application of the tensile forces <u>does not exacerbate the defect</u>" while, according to claims 1 and 18, "the magnitude of the force <u>is sufficient to exacerbate</u> a thermal discontinuity" caused by the defect, as stated in claim 1, and the force "<u>is sufficient to change</u> at least one dimension of the subsurface kissing unbond defect" (i.e., exacerbate the defect), as stated in claim 18.

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Claims 2-14 and 19-28 are rejected by virtue of their dependency on claims 1 and 18 respectively.

Allowable Subject Matter

6. Claims 1-14, 18-28 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112. Claims 1-14 would be allowable because the prior art fail to teach the method is which the magnitude of force is sufficient to exacerbate a thermal discontinuity caused by a subsurface kissing unbond defect, wherein said force is insufficient to cause the subsurface kissing unbond to migrate toward a specimen surface, in combination with the remaining limitations of claims 1-14.

Claims 15-17 are allowed.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication should be directed to the Examiner Verbitsky who can be reached at (571) 272-2253 Monday through Friday 8:00 to 4:00 ET.

GKV

Gail Verbitsky

Primary Patent Examiner, TC 2800

September 10, 2004